



HF Happenings 963

V51NAM participating in the IARU Region 1 Field Day (4 and 5 September)

SARL 30 m Challenge

Only six (6) certificates have been issued! Send your log to secretary@sarl.org.za. ADIF and Cabrillo logs – please include a summary sheet.

HF Propagation at the Equinox

All things being equal...

Here comes Spring, the time of year when the southern hemisphere emerges from winter and looking forward to spring on the HF bands. At the same time, the northern hemisphere amateurs are finishing their summertime HF doldrums. Right in the middle of this transition is September's *vernal equinox* for the southern hemisphere (at 21:21 CAT on 22 September) and the *autumnal equinox* for the northern hemisphere.

What is special about this time of year on the HF bands? Let us back up a bit. If you have been active during the summer, you know that daytime propagation on the higher HF bands (20 to 10 metres), pretty good up through late spring, took a dive through the day. Why does it do that? Is not the northern hemisphere tipped toward the Sun in the summer? Should that not pep up the F regions for better long-distance skip?

While it is true the northern ionosphere gets more solar ultraviolet (UV) during the summer days that increases ionization in the F region, extra UV also increases absorption in the lower D region. A signal making multiple hops just does not get through! Summertime *sporadic E* (Es) propagation on 15, 12 and 10 metres helps keep things busy with "short skip" to stations 1 900 to 2 400 km away.

Propagation on the lower bands (30 to 160 metres) in the summer suffers as well from the higher atmospheric noise levels caused by stormy weather. Meanwhile, our friends in the southern hemisphere are enjoying great wintertime conditions on the low bands. If you can hear them through the QRN (static), summer can be a productive season for low-band DXing.

September

6 and 7 - Rosh Hashanah
 8 - Early Morning Coffee Sprint
 11 and 12 - SARL National Field Day; WAE SSB contest
 13 - West Rand ARC meeting; International Chocolate Day
 15 - SARL 80 m Club Sprint
 15 and 16 - Yom Kippur
 16 - World Ozone Day
 18 - Magalies and Highway ARCs meeting
 18 and 19 - SARL VHF/UHF Digital contest
 20 - Full Moon
 21 - PEARS and Border ARC meetings
 22 - Spring Equinox (21:21 CAT)
 24 - Heritage /National Braai Day; ZS SOTA Spring Activity Day; registration for the October RAE closes
 25 - CTARC meeting
 25 and 26 - CQ WW RTTY contest
 26 - the ZS1 Sprint
 27 - World Tourism Day
 28 - Secunda ARC meeting

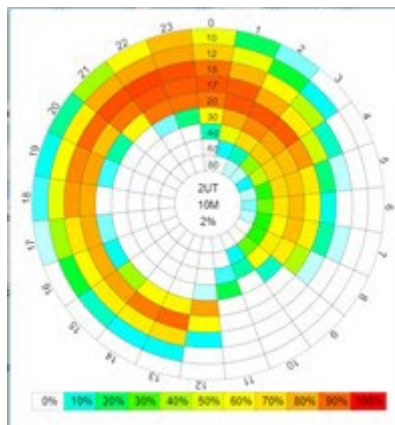
As we approach either the autumn or spring equinox, sunlight begins to illuminate both north and south equally. Right at the equinox, the *terminator* between day and night is aligned exactly with the North and South Poles. Equal amounts of solar UV hitting the ionosphere means paths between the north and south hemispheres will open earlier and stay open longer. This gives stations in both hemispheres' better chances for really long-distance F region propagation on the high bands. Thunderstorm season has passed, so the low bands are much more hospitable to DX contacts with stations exiting the summer months as well.

Let us take a look at some examples from the online propagation prediction website, VOACAP <https://www.voacap.com/hf/>. The following maps were generated for current levels of sunspot activity (SSN = 16) and 20 metre dipoles were specified for both transmitting and receiving, one wavelength high for good low-angle performance. CW at 100 watts was the selected mode as a compromise between FD8 (higher *signal-to-noise ratios* or SNR) and SSB (lower SNR).

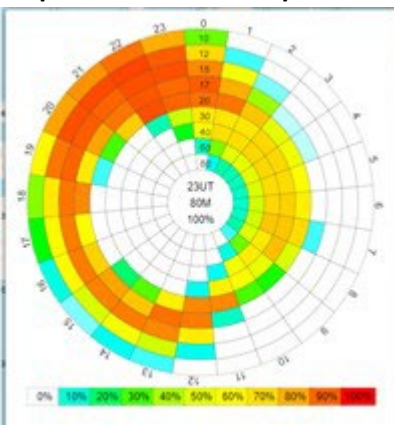
I used the "Prop Wheel" function to generate predictions for all of the HF bands between Buffalo, NY and Santiago, Chile. This path between two populated areas is almost directly north-south. One set of predictions was generated at the *summer solstice* in June, another at the vernal equinox in September and one more at the *winter solstice* in December (northern hemisphere.)

The Prop Wheel colours show the probability of a band from 80 to 10 metres being open during each clock hour from 00:00 to 23:00 UTC. A colour scale is below each chart. If you want to know what is happening on a particular path, this is a great way to summarize the predicted behaviour!

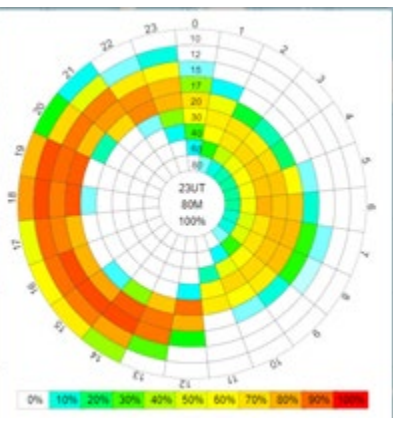
June – Summer Solstice



September – Vernal Equinox



December – Winter Solstice



Under the summer solstice's maximum sunlight, propagation favours 15, 17, and 20 metres in the late afternoon and evening. During these hours, the Sun is no longer shining directly on the path, but there is still enough ionization in the F region to support the two long hops required between these two locations. The path is mostly closed between 08:00 UTC and sunrise because the southern ionosphere does not get as much UV as in the north.

As the season changes to the September equinox, you can see the opening shift earlier in the day, not so much absorption, and it extends to the higher bands. 10 and 12 metres are great bands on a north-south path in the autumn and 15 metres is reliably open for 13 hours — all day! After dark, 20, 30 and 40 metres pick up the slack. There is probably going to be usable propagation on this path 24 hours a day on one band or another.

Finally, at the winter solstice in December, the strongest openings are in the morning until mid-afternoon, more closely aligned with UV radiation of the F region. 17 metres and 20 metres are doing most of the work through the day. The low bands are open more through the night on this path, although it is the southern amateurs who have to fight through the QRN to hear us in the north.

You do not have to analyse each path to get a general sense of what propagation is up to as the seasons change. Guided by *The Shortwave Propagation Handbook* propagation predictions for low-sunspot conditions, here is a summary of HF propagation at the equinox:

10, 12 and 15 metres: Openings will be most frequent and strongest on 15 metres. 12 and then 10 metres will have short openings, mostly on north-south paths. Watch for signals from African and Australian stations after their sunrise.

17 and 20 metres: 20 metres really shines around the equinox and will feature openings to just about anywhere at some point throughout the day. 17 metres frequently opens as well during 20 metre propagation. Watch for grey-line propagation around sunrise and sunset.

30 and 40 metres: These bands will open to the east as sunset approaches and then stay open all night. Propagation will change to favour north-south paths through the night and then toward the west as sunrise approaches.

80 and 160 metres: Take advantage of the lower noise levels on both ends of the north-south paths. Watch for the best openings at local midnight and again near sunrise on either end of the path.

On all of the bands, try to be active around sunrise and sunset as the terminator approaches and then passes your location. Because it goes directly over the poles at the equinox, it is also close to the most distant locations from your station. Whatever grey-line enhancements exist, around the equinox is when they are most likely to occur. Do not hesitate to call CQ, as well, no matter what mode you use. You may be pleasantly surprised by a faraway DX station's answer!

There is one "gotcha" to the equinox and that is the increased level of geomagnetic storminess around the equinox. This occurs because the Earth's *geomagnetic field*, or GMF, is better aligned to interact with the *interplanetary magnetic field*, or IMF. Aligning the fields enables charged particles from the Sun to enter the Earth's atmosphere and create a disturbance. The charged particles can come from a *coronal mass ejection* (CME) or from the solar wind.

The equinox is a good time to watch websites like NOAA's Spaceweather Prediction Centre or SolarHam by VE3EN for warnings of possible geomagnetic storms or other types of active conditions that affect HF propagation (here in South Africa look at <https://spaceweather.sansa.org.za/>; <https://spaceweather.sansa.org.za/products-and-services/current-conditions/daily-conditions> and <https://spaceweather.sansa.org.za/products-and-services/frequency-predictions/daily-frequencies>. Of course, these storms are not all bad news — tune on up to the VHF and UHF bands for enhanced propagation when they occur!

There is so much to learn about propagation, isn't there? The ARRL's *Antenna Book* has an extensive Propagation chapter. In *QST* and *CQ* you will find columns and articles on propagation. The ARRL's weekly Propagation Bulletins by K7RA are a great way to keep up to date, and so is W3UR's *Daily DX*, which features regular propagation updates by W3LPL.

This is a great illustration of what I mean when I explain to non-amateurs that "I can hear the world turning!" on the HF shortwave bands. Different bands open and close all day as the path is in daylight and then darkness. Throughout the year, those same bands have different characteristics that change with the seasons. And finally, the Sun is turning and churning too, and as more sunspots emerge in Cycle 25, these charts will look a lot different! Every path has its own characteristics, and then there are the differences between short- and long-path propagation. It can keep a amateur busy since there is always something new to experience, no matter what mode or power or antenna you use.

The results of the SARL 40 metre Grid Square Sprint

Twenty nine logs (and not 30, because you counted the control list as a log!) were received for the fourth leg of the SARL 40 m Grid Square Sprint held on Saturday 28 August 2021. There is no Club in Witbank, have a look at www.sarl.org.za/public/local/ClubsList.asp. Grid square GK does not live in South Africa, KG does. Was that ZR6 or ZS6 – listen carefully for the call sign, the grid square and the Club given in the exchange.

1st the West Rand ARC – 737 points

2nd the Northern Cape ARC – 336 points

3rd the Sandton ARC – 146 points

4th the Boland ARC – 93 points

5th PEARS – 74 points

6th the Bo-Karoo ARC – 65 points

7th the Southern Cape ARC – 40 points
 8th the Hibiscus Coast ARC – 37 points
 9th the Bloemfontein ARC – 36 points

After the fourth leg

1st the West Rand ARC – 3 391 points
 2nd the Bo-Karoo ARC - 764 points
 3rd the Northern Cape ARC - 760 points
 4th the Hibiscus Coast ARC – 584 points
 5th Sandton ARC - 500 points
 6th the Boland ARC - 349 points
 7th PEARS - 341 points
 8th the Bloemfontein ARC - 314 points
 9th the Pretoria ARC - 115 points
 10th the Magalies ARC - 89 points
 11th the Mooiriver ARC - 72 points
 12th KARTS - 68 points
 13th Cape Town TARC - 59 points
 14th the Southern Cape ARC - 40 points
 15th the Jeugland ARC - 34 points
 16th the Kimberley ARC - 33 points

Individual Scores

1st Gerhard, ZS3TG - 141 points
 2nd Chris, ZS6CPA - 133 points

3rd Keith, ZS6HI and Kobus, ZS6BOS - 96 points
 5th Johan, ZS4DZ - 95 points
 6th Theunis, ZS2EC - 74 points
 7th Veronica, ZR6TVK and Jack, ZS6JJK - 73 points
 9th Gert, ZR6GRT - 68 points
 10th Danie, ZS6DPS - 65 points
 11th Esme, ZS3EW; Roy, ZS3RW and Phillip, ZS6PVT - 64 points
 14th Nick, ZS1N - 63 points
 15th Dienie, ZS6DNI - 61 points
 16th Fred, ZS6FWA - 56 points
 17th Johan, ZS1DE and Beverley, ZR6BVT - 51 points
 19th Stewart, ZR6WT - 50 points
 20th Marius, ZS1ML - 42 points
 21st Thys, ZS1TBP and Abe, ZS1ZS - 40 points
 23rd Pieter, ZS3PN - 38 points
 24th Heather, ZS5YH - 37 points
 25th Dennis, ZS4BS/3 - 36 points (ZSFF-0028)
 26th Wynand, ZS6WY - 35 points
 27th Cliff, ZS6BJU - 32 points
 28th Gert, ZS3GM/6 - 29 points
 29th Janre, ZS6GTW - 25 points

The FINAL Results of the SARL HF CW Contest

It is hereby declared that the results for the SARL HF Phone, Digital and CW contests are the final scores.

Ten logs were received for the SARL HF CW Contest held on Sunday 29 August 2021 with 3 QSOs on 20 metres, 132 QSOs on 40 metres and 60 QSOs on 80 metres. The logs of Hans, ZS6KR and Bruce, ZS5XT were 'lost' in the world wide web, but finally rescued.

Club Results

1st the Bloemfontein ARC – 88 points
 2nd the Pretoria ARC – 80 points
 3rd the Cape Radio Group – 58 points
 4th the Lichtenburg ARC – 56 points
 5th the Highway ARC – 38 points
 6th the Johannesburg ARC – 36 points
 7th the Sandton ARC – 32 points

Single Operator Single Band

1st Eddie Leighton, ZS6BNE – 56 points
 2nd Charles le Roux, ZS1CF – 36 points

Single Operator All Band

1st Jan Botha, ZS4JAN – 88 points
 2nd Hans Kappetijn, ZS6KR – 80 points
 3rd Ludwig Combrinck, ZS5CN – 68 points
 4th Celso Moreira, ZS1MYG and Chris de Beer, ZR6C – 58 points



6th Bruce Dunn, ZS5XT – 38 points
7th Michael Spencer Wilson, ZS6MSW – 36 points
8th Bruce Rowan, ZS6BK – 32 points

The V51NAM Antenna for the Region 1 Field Day



The SARL National Field Day

The second leg of the SARL National Field Day runs from 08:00 UTC (10:00 CAT) on Saturday 11 September to 06:00 UTC (08:00 CAT) on Sunday 12 September 2021. The aim of the Field Day is to work as many stations in **Southern Africa** as possible on all the HF amateur bands (excluding the 60, 30, 17 and 12 m bands). In doing so, to learn to operate in abnormal situations in less than optimal conditions. A premium is placed on developing skills to meet the challenges of emergency preparedness as well as to acquaint the public with the capabilities of Amateur Radio.



Phone, CW and any digital mode that can send the full exchange may be used on the HF amateur bands, excluding the 2 200, 630, 30, 17 and 12 metre bands. Phone, CW and Digital modes on a band are considered as separate bands and a station may be worked only once per band under this rule. The exchange is the number of transmitters at your station, the Field Day operating class and your Provincial or country abbreviation. The sending of a RS or RST is optional – it has nothing to do with the scoring.

How to participate? Class A – Field Station, Multi operator; Class B – Field Station, Multi operator, QRP; Class C – Field Station, Single Operator; Class D – Field Station, Single Operator, QRP; Class E – Ultra Light Portable; Class F - Backyard Stations or Class G - General Stations. Only one call sign per station is permitted. In the case of multi-operator stations using more than one transmitter, all operators shall use the same call sign.

Each QSO with a station from one of the South African provinces and six neighbouring countries counts five points. Each DX contact counts for one point.

Power multipliers for Class A to F): Power 5 watts or less x 6; Power 50 watts or less x 4; Power 100 watts or less x 2 or Power greater than 100 watts x 1

A multiplier of two (2) for each one of the 9 South African provinces worked (regardless of band) and six neighbouring countries. EC – The Eastern Cape (including Marion Island); FS – The Free State; GP – Gauteng; KZN – KwaZulu-Natal; LP – Limpopo; MP – Mpumalanga; NC – The Northern Cape; NW – North West; WC – The Western Cape (including Sanae Base and Gough island); NAM – Namibia; BOT – Botswana; LES – Lesotho; ESW – eSwatini; ZIM – Zimbabwe and MOZ – Mozambique. Class multiplier: General stations, class multiplier of 1 and Field stations single and multi, class multiplier of 3. 50 bonus points for submitting photographs of the station in action.

Logs in ADIF, Cabrillo with a summary sheet or MS Excel format (<http://www.sarl.org.za/public/contests/contestrules.asp>) must be submitted by 23:59 CAT on Friday

17 September 2021 by e-mail to zs4bfn@mweb.co.za. When submitting your log, your call sign must appear in the file name, e.g., 7P8DG SARL National Field Day.xlsx / .adi / .cbr.

DY from Africa



Guinea, 3X. Jean-Philippe, F1TMY (ex J28PJ) expects to be active as 3X2021 (correct) from Conakry, Guinea starting in mid-September for a few years. He will be active on 160 - 6 metres and the QO-100 satellite. Also planned are side trips to the Los Islands (AF-051). Updates will be posted to <https://twitter.com/3X2021>. QSL via Club Log.

Tanzania, 5H. Gabor, HA3JB will be active as 5H1IP from Unguja (Zanzibar) Island (AF-032) between 17 and 29 September. He will operate CW, SSB, RTTY and FD8 on 160 - 6 metres, and will participate in the CQ WW DX RTTY Contest. QSL via Club Log's OQRS, or direct to HA3JB.

Tanzania, 5H. Maurizio, IK2GZU will be active again as 5H3MB from Ikolu, Tanzania from 25 September to 20 November, while doing volunteer work for the local hospital. In his spare time, he will operate SSB, CW, RTTY and some FD8 on 80 - 10 metres. QSL via Club Log's OQRS, LoTW and eQSL, or via IK2GZU (direct or bureau).

Niger, 5U. Adrien, F4IHM expects to be back in Niger between 11 September and 22 October and will be active again as 5UAIHM in his spare time. He operates CW and SSB on 40 and 20 metres. QSL via F4IHM, direct or bureau.

Rwanda, 9X. Harald, DF2WO will be active again as 9X2AW from Kigali, Rwanda between 13 and 28 September. He will operate CW, SSB, RTTY and FT8 on 160-10 metres. QSL via M00XO (<https://www.m00xo.com/oqrs/>) and LoTW.

Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 6 to 12 September 2021.

Tennessee QSO Party
18:00 UTC 5 September to 03:00 UTC 6 September
Geographic Focus: United States/Canada state/province QSO party
Participation: Worldwide
Mode: CW, Phone, Digital
Bands: All, except WARC
Classes: Fixed - single op or multi-op - CW, phone, digital or mixed - QRP, low or high; Mobile - single op or multi-op - CW, phone, digital or mixed - QRP, low or high
Max power: HP: >150 watts; LP: 150 watts; QRP: 5 watts
Exchange: TN: RS(T) and county; non-TN: RS(T) and state, province or country
Work stations: Once per band per mode

QSO Points: 3 points per QSO; (see rules for bonus QSO points)
Multipliers: TN: TN counties, states, provinces, DXCC countries once per band; non-TN: TN counties once per band
Score Calculation: Total score = (total QSO points x total mults) and bonus points
Submit logs by: 6 October 2021
E-mail logs to: logs@tnqp.org
Mail logs to: Tennessee QSO Party, c/o Doug Smith, W9WI, 604 Sandalwood Court, Nashville, TN 37221, USA
Find rules at: <http://tnqp.org/rules/>

K1USN Slow Speed Test
00:00 - 01:00 UTC 6 September
Geographic Focus: Worldwide
Participation: Worldwide

Mode: CW
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: Single Op - QRP, low or high
 Max power: HP: >100 watts; LP: 100 watts;
 QRP: 5 watts
 Exchange: Maximum 20 wpm - Name and
 state, province or country
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: Each state/province/country once
 per band; W/VE do not count as country mults
 Score Calculation: Total score = total QSO
 points x total mults
 Submit logs by: 23:59 UTC 8 September 2021
 Post log summary at:
<http://www.3830scores.com>
 Mail logs to: (none)
 Find rules at: <http://www.k1usn.com/sst.html>



RSGB 80 m Autumn SSB Series
 19:00 - 20:30 UTC 6 September
 Geographic Focus: United Kingdom
 Participation: Worldwide
 Mode: SSB
 Bands: 80 m Only
 Classes: 100 W; 10 W
 Exchange: RS and serial no
 QSO Points: 1 point per QSO
 Multipliers: (none)
 Score Calculation: Total score = total QSO
 points
 Submit logs by: 23:59 UTC 9 September 2021
 Upload log at: <http://www.rsgbcc.org/cgi-bin/hfenter.pl>
 Mail logs to: (none)
 Find rules at:
<https://www.rsgbcc.org/hf/rules/2021/rautumn.shtml>

MI QRP Labour Day CW Sprint
 23:00 UTC 6 September to 03:00 UTC 7
 September

Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10, 6 m
 Classes: (none)
 Max power: 5 Watts
 Exchange: RST, state, province or country and
 member no or power output
 Work stations: Once per band
 QSO Points: 5 points per QSO with members; 2
 points per QSO with non-member W/VE
 stations; 4 points per QSO with non-member
 DX stations
 Multipliers: Each state, province or country,
 once per band; Bonus: multiply total points by
 1.25 if xmtr or receiver is homebrew; Bonus:
 multiply total points by 1.5 if both xmtr and
 receiver are homebrew; Bonus: work W8QRP
 for a bonus multiplier (see rules)
 Score Calculation: Total score = bonus
 multiplier x total QSO points x total mults
 Submit logs by: 20 September 2021
 E-mail logs to: N8LJ@arrl.net
 Mail logs to: Lee Dziekan, N8LJ, 2735 Miller Rd,
 Metamora, MI 48455, USA
 Find rules at: <https://www.miqrp.net/contest>

ARS Spartan Sprint
 01:00 - 03:00 UTC 7 September
 Geographic Focus: North America
 Participation: Worldwide
 Mode: CW
 Bands: 80, 40, 20, 15, 10 m
 Classes: Skinny; Tubby
 Max power: 5 watts
 Exchange: RST and state, province or country
 and power
 Work stations: Once per band
 Submit logs by: 9 September 2021
 E-mail logs to: spartansprint@yahoo.com
 Mail logs to: (none)
 Find rules at:
<http://arsgrp.blogspot.com/2009/02/so-whats-spartan-sprint-and-how-do-i.html>

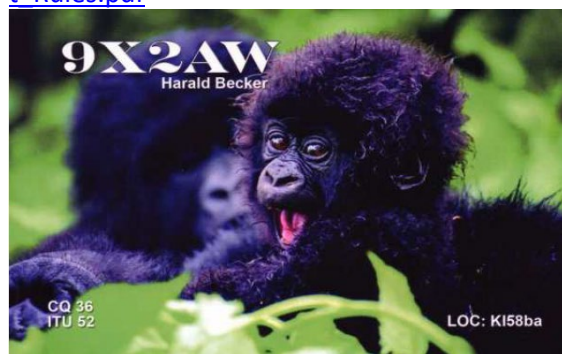
Worldwide Sideband Activity Contest
 01:00 - 01:59 UTC 7 September
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: SSB
 Bands: 160, 80, 40, 20, 15, 10, 6 m

Classes: Single Op - QRP, low or high; Overlay: Youth (26 years old or younger); Youth YL (female 26 years old or younger); YL (female older than 26 years)
 Max power: HP: 1 500 watts; LP: 100 watts; QRP: 5 watts
 Exchange: RS and age group (OM, YL, Youth YL or Youth)
 Work stations: Once per band
 QSO Points: 1 point per QSO with OM; 5 points per QSO with YL; 10 points per QSO with Youth; 15 points per QSO with Youth YL
 Multipliers: Each DXCC once per band
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 01:59 UTC 8 September 2021
 E-mail logs to: (none)
 Upload log at: <https://logs.wwsac.com/>
 Mail logs to: (none)
 Find rules at: <https://wwsac.com/rules.html>

RTTYOPS Week Sprint
 17:00 - 19:00 UTC 7 September
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: RTTY
 Bands: 80, 40, 20 m
 Classes: Single Op
 Max operating hours: 2 hours
 Exchange: other station's call, your call, serial no and your name
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: (none)
 Score Calculation: Total score = total QSO points
 Submit logs by: 23:59 UTC 14 September 2021
 E-mail logs to: rtty-week-tuesday@rttyops.com
 Mail logs to: (none)
 Find rules at: <http://rttyops.com/>

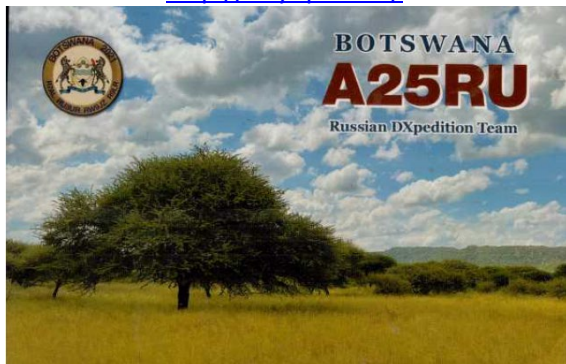
Phone Weekly Test – Fray
 02:30 - 03:00 UTC 8 September
 Geographic Focus: North America
 Participation: Worldwide
 Mode: SSB
 Bands: 160, 80, 40, 20, 15 m
 Classes: Single Op
 Max power: 100 watts
 Exchange: NA: Name and state, province or country; non-NA: Name

Work stations: Once per band
 QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station
 Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 03:00 UTC 10 September 2021
 E-mail logs to: (none)
 Post log summary at:
<http://www.3830scores.com>
 Mail logs to: (none)
 Find rules at:
http://www.perluma.com/Phone_Fray_Contest_Rules.pdf



CWops Mini-CWT Test
 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 8 September and 03:00 - 04:00 UTC and 07:00 - 08:00 UTC 9 September
 Geographic Focus: Worldwide
 Participation: Worldwide
 Awards: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: Single Op - QRP, low or high
 Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts
 Exchange: Member: Name and member no or "CWA"; non-Member: Name and state, province or country
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: Each call once
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 08:00 UTC 11 September 2021
 Post log summary at:
<http://www.3830scores.com>
 Mail logs to: (none)
 Find rules at: <https://cwops.org/cwops-tests/>

RTTYOPS Week Sprint
 17:00 - 19:00 UTC 9 September
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: RTTY
 Bands: 80, 40, 20 m
 Classes: Single Op
 Max operating hours: 2 hours
 Exchange: other station's call, your call, serial no and your name
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: (none)
 Score Calculation: Total score = total QSO points
 Submit logs by: 23:59 UTC 16 September 2021
 E-mail logs to: rtty-week-thursday@rttyops.com
 Mail logs to: (none)
 Find rules at: <http://rttyops.com/>



EACW Meeting
 19:00 - 20:00 UTC 9 September
 Geographic Focus: Spain
 Participation: Worldwide
 Mode: CW
 Bands: 80, 40 m
 Classes: Single Op
 Exchange: EACW Member: RST, member no and nickname; EA non-Member: RST, nickname and EA province; non-EA: RST, nickname and DXCC prefix
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: (none)
 Score Calculation: Total score = total QSO points
 Submit logs by: 23:59 UTC 11 September 2021
 E-mail logs to: (none)

Post log summary at:
<https://www.eacwspain.es/subir-puntuacion-meeting/>

Mail logs to: (none)

Find rules at:
<https://www.eacwspain.es/eacwmeeting/>

NCCC RTTY Sprint
 01:45 - 02:15 UTC 10 September
 Geographic Focus: North America
 Participation: Worldwide
 Mode: RTTY
 Bands: (see rules)
 Classes: (none)
 Exchange: Serial no, name and QTH
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 12 September 2021
 E-mail logs to: (none)
 Post log summary at:
<http://www.3830scores.com/>
 Mail logs to: (none)
 Find rules at:
<http://www.ncccsprint.com/rttyns.html>

NCCC Sprint Ladder
 02:30 - 03:00 UTC 10 September
 Geographic Focus: North America
 Participation: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15 m
 Classes: Single Op
 Max power: 100 watts
 Exchange: Serial no, name and QTH
 Work stations: Once per band
 QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station
 Multipliers: Each US state (including KL7 and KH6) once per band; Each VE province once per band; Each North American country (except W/VE) once per band
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 12 September 2021
 E-mail logs to: (none)
 Post log summary at:
<http://www.3830scores.com/>
 Mail logs to: (none)
 Find rules at:
<http://www.ncccsprint.com/rules.html>

K1USN Slow Speed Test
 20:00 - 21:00 UTC 10 September
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: Single Op - QRP, low or high
 Max power: HP: >100 watts; LP: 100 watts;
 QRP: 5 watts
 Exchange: Maximum 20 wpm - Name and
 state, province or country
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: Each state/province/country once
 per band; W/VE do not count as country mults
 Score Calculation: Total score = total QSO
 points x total mults
 Submit logs by: 23:59 UTC 12 September 2021
 Post log summary at:
<http://www.3830scores.com>
 Mail logs to: (none)
 Find rules at: <http://www.k1usn.com/sst.html>

WAE DX SSB Contest
 00:00 UTC 11 September to 23:59 UTC 12
 September
 Geographic Focus: Europe
 Participation: Worldwide
 Mode: SSB
 Bands: 80, 40, 20, 15, 10 m
 Classes: Single Op - low or high; Multi-Op
 Max operating hours: Single Op: 36 hours, off
 times of at least 60 minutes; Multi-Single: 48
 hours
 Max power: HP: >100 Watts; LP: 100 Watts
 Exchange: RS and serial no
 Work stations: Once per band
 Score Calculation: (see rules)
 Submit logs by: 23:59 UTC 20 September 2021
 E-mail logs to: (none)
 Upload log at:
<https://www.dxhf.darc.de/~waessblog/upload.cgi?form=referat&lang=en>
 Mail logs to: (none)
 Find rules at: <http://www.darc.de/der-club/referat/referat-conteste/worked-all-europe-dx-contest/en/>

FOC QSO Party
 00:00 - 23:59 UTC 11 September
 Geographic Focus: Worldwide

Participation: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10, VHF
 Classes: Single Op
 Exchange: FOC-Member: RST, name and
 member no; non-Members: RST and name
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: (none)
 Score Calculation: FOC-Member: Score = Total
 QSOs/Total Member QSOs
 non-Member: Score = Total Member QSOs
 Submit logs by: 18 September 2021
 E-mail logs to: (none)
 Post log summary at: <https://focqp.g4foc.org/>
 Mail logs to: (none)
 Find rules at: <http://g4foc.org/qsoparty/>



SARL Field Day Contest
 08:00 UTC 11 September to 06:00 UTC 12
 September
 Geographic Focus: South Africa
 Participation: Worldwide
 Mode: CW, SSB, Digital
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: Single-Op Field - QRP or high; Multi-Op
 Field - QRP or high; Ultra-Light Portable; back
 yard stations; General
 Max power: QRP: 5 watts; non-QRP: >5 watts
 Exchange: Number of transmitters, category
 (see rules) and province or country
 Work stations: Once per band per mode
 QSO Points: (see rules)
 Multipliers: (see rules)
 Score Calculation: (see rules)
 Submit logs by: 17 September 2021
 E-mail logs to: zs4bfn@mweb.co.za
 Mail logs to: (none)
 Find rules at:
<http://www.sarl.org.za/public/contests/contestrules.asp>

YB7-DX Contest

09:00 UTC 11 September to 14:00 UTC 12 September
Geographic Focus: Worldwide
Participation: Worldwide
Mode: SSB
Bands: 40 m Only
Classes: Single Op - low or high
Max power: HP: 1 500 watts; LP: 100 watts
Exchange: RS and serial no
QSO Points: 3 points per QSO with same country; 5 points per QSO with different country same continent; 7 points per QSO with different continent
Multipliers: Each world prefix once; Each DXCC country once
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 23:59 UTC 19 September 2021
E-mail logs to: (none)
Upload log at: <https://yb7-dxcontest.com/log-submit/>
Mail logs to: (none)
Find rules at: <https://yb7dxc.com/rule/>



SKCC Weekend Sprintathon

12:00 UTC 11 September to 24:00 UTC 12 September
Geographic Focus: Worldwide
Participation: Worldwide
Awards: Worldwide
Mode: CW
Bands: 160, 80, 40, 20, 15, 10, 6 m
Classes: Single Op - QRP, low or high; Multi-Op
Exchange: RST, state, province or country, name and SKCC no or "NONE"
Work stations: Once per band
QSO Points: 1 point per QSO
Bonus Points: (see rules)
Multipliers: Each state, province, or country once
Score Calculation: Total score = (total QSO points x total mults) and bonus points

Submit logs by: September 19, 2021

Post log summary at:

http://www.skccgroup.com/operating_activities/weekend_sprintathon/submit-display.php

Mail logs to: (none)

Find rules at:

http://www.skccgroup.com/operating_activities/weekend_sprintathon/

Ohio State Parks on the Air

14:00 - 22:00 UTC 11 September
Geographic Focus: United States/Canada state/province QSO party
Participation: Worldwide
Mode: SSB
Bands: 80, 40, 20, 15, 10 m
Classes: Single Op OH Park - low or high; Multi-Single OH Park - low or high; Multi-Multi OH Park - low or high; Ohio Non-Park; Outside of Ohio
Max power: LP: 100 watts; HP: >100 watts
Exchange: OH Park: park abbreviation; OH: "Ohio"; W/VE: (state/province); DX: "DX"
Work stations: Once per band per mode
QSO Points: 1 point per QSO
Multipliers: Each OH park once
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 25 September 2021
E-mail logs to: LOGS@ospota.org
Mail logs to: Ohio State Parks on the Air, c/o Tom Parkinson, KB8UUZ, 9992 State Route 700, Mantua, OH 44255, USA
Find rules at: <http://ospota.org/>

Alabama QSO Party

15:00 UTC 11 September to 03:00 UTC 12 September
Geographic Focus: United States/Canada state/province QSO party
Participation: Worldwide
Mode: CW, Phone
Bands: 80, 40, 20, 15, 10 m
Classes: Single Op - CW, phone or mixed - QRP, low or high; M/S - CW, phone or mixed - QRP, low or high; M/M - CW, phone or mixed - QRP, low or high; Mobile Single Op - CW, phone or mixed - QRP, low or high; Mobile Single Op and Driver - CW, phone or mixed - QRP, low or high; Mobile Multi-Op - CW, phone or mixed - QRP, low or high

Max power: HP: >150 watts; LP: 150 watts;
QRP: 5 watts
Exchange: AL: RS(T) and County; non-AL: RS(T)
and state, province or country
QSO Points: 2 points per QSO
Multipliers: AL Stations: Each state, VE
province/territory, country once per mode;
non-AL Stations: Each AL county once per
mode
Score Calculation: Total score = total QSO
points x total mults
Submit logs by: 11 October 2021
E-mail logs to: logs@alabamagsoparty.org
Mail logs to: (none)
Find rules at:
<http://www.alabamagsoparty.org/>

Russian Cup Digital Contest
15:00 - 18:59 UTC 11 September and 06:00 -
09:59 UTC 12 September
Geographic Focus: Worldwide
Participation: Worldwide
Mode: RTTY
Bands: 80, 40, 20, 15, 10 m
Classes: Single Op All Band - low or high; Multi-
Single
Max power: HP: >100 W; LP: 100 W
Exchange: serial no and 4-character grid
square
Work stations: Once per band per session
QSO Points: (see rules)
Multipliers: (none)
Score Calculation: Total score = total QSO
points
Submit logs by: 22 September 2021
Upload log at: <http://www.ua9qcq.com>
Mail logs to: (none)
Find rules at:
<http://www.qrz.ru/contest/detail/86.html>

North American CW Sprint
00:00 - 04:00 UTC 12 September
Geographic Focus: North America
Participation: Worldwide
Awards: North America
Mode: CW
Bands: 80, 40, 20 m
Classes: Single Op - QRP, low or high
Max operating hours: 4 hours
Max power: HP: 1 500 watts; LP: 100 watts;
QRP: 5 watts

Exchange: other station's call, your call, serial
no, your name and your state, province or
country
Work stations: Once per band
QSO Points: NA station: 1 point per QSO; non-
NA station: 1 point per QSO with an NA station
Multipliers: Each US state/DC (including
KH6/KL7) once; Each VE province/territory
once; Each North American country (except
W/VE) once
Score Calculation: Total score = total QSO
points x total mults
Submit logs by: 04:00 UTC 19 September 2021
E-mail logs to: (none)
Upload log at:
<http://www.ncjweb.com/sprintlogssubmit/>
Mail logs to: (none)
Find rules at: [http://ncjweb.com/Sprint-
Rules.pdf](http://ncjweb.com/Sprint-Rules.pdf)



4 States QRP Group Second Sunday Sprint
00:00 - 02:00 UTC 13 September
Geographic Focus: North America
Participation: Worldwide
Mode: CW, SSB
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Op
Max power: CW: 5 watts, SSB: 10 watts
Exchange: Member: RS(T), state, province or
country and member no; Non-member: RS(T),
state, province or country and power
Work stations: Once per band
QSO Points: 1 point per QSO with non-
member; 2 points per QSO with member
Multipliers: (none)
Score Calculation: Total score = total QSO
points
Submit logs by: 15 September 2021
E-mail logs to: (none)
Post log summary at:
<http://qrzcontest.com/4sqrp>
Mail logs to: (none)
Find rules at:
http://www.4sqrp.com/SSS/sss_rules.pdf

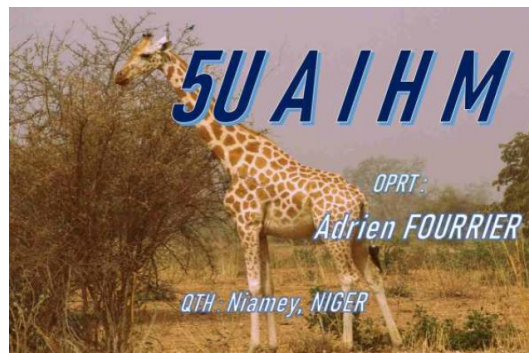


K1USN Slow Speed Test
 00:00 - 01:00 UTC 13 September
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts;
 QRP: 5 watts
 Exchange: Maximum 20 wpm - Name and
 state, province or country
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: Each state/province/country once
 per band; W/VE do not count as country mults
 Score Calculation: Total score = total QSO
 points x total mults
 Submit logs by: 23:59 UTC 15 September 2021
 Post log summary at:
<http://www.3830scores.com>
 Mail logs to: (none)
 Find rules at: <http://www.k1usn.com/sst.html>

Next Week's Contests

Worldwide Sideband Activity Contest, 01:00 - 01:59 UTC 14 September
 RTTYOPS Week Sprint, 17:00 - 19:00 UTC 14 September
 Phone Weekly Test – Fray, 02:30 - 03:00 UTC 15 September
 CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 15 September and 03:00 - 04:00
 UTC and 07:00 - 08:00 UTC 16 September
 RSGB 80 m Autumn CW Series, 19:00 - 20:30 UTC 15 September
 Walk for the Bacon QRP Contest, 00:00 - 01:00 UTC 16 September and 02:00 - 03:00 UTC 17
 September
 NAQCC CW Sprint, 00:30 - 02:30 UTC 16 September
 RTTYOPS Week Sprint, 17:00 - 19:00 UTC 16
 September
 BCC QSO Party, 18:30 - 18:59 UTC 16 September
 EACW Meeting, 19:00 - 20:00 UTC 16 September
 NCCC RTTY Sprint, 01:45 - 02:15 UTC 17 September
 NCCC Sprint, 02:30 - 03:00 UTC 17 September
 K1USN Slow Speed Test, 20:00 - 21:00 UTC 17
 September
 AGB NEMIGA Contest, 21:00 - 24:00 UTC 17
 September
 Collegiate QSO Party, 00:00 UTC 19 September to 23:59 UTC 20 September
 Scandinavian Activity Contest, CW, 12:00 UTC 18 September to 12:00 UTC 19 September
 Texas QSO Party, 14:00 UTC 18 September to 02:00 UTC 19 September and 14:00 - 20:00 UTC 19
 September
 Iowa QSO Party, 14:00 UTC 18 September to 02:00 UTC 19 September
 QRP Afield, 15:00 - 21:00 UTC 18 September
 New Hampshire QSO Party, 16:00 UTC 18 September to 04:00 UTC 19 September and 16:00 - 22:00
 UTC 19 September
 New Jersey QSO Party, 16:00 UTC 18 September to 0359Z 19 September
 Washington State Salmon Run, 16:00 UTC 18 September to 07:00 UTC 19 September and 16:00 -
 24:00 UTC 19 September
 Wisconsin Parks on the Air, 16:00 - 23:00 UTC 18 September
 Feld Hell Sprint, 18:00 - 1959Z 18 September



North American Sprint, RTTY 00:00 - 04:00 UTC 19 September
BARTG Sprint PSK63 Contest, 17:00 - 2059Z 19 September
Run for the Bacon QRP Contest, 23:00 UTC 19 September to 01:00 UTC 20 September
K1USN Slow Speed Test, 00:00 - 01:00 UTC 20 September
Worldwide Sideband Activity Contest, 01:00 - 01:59 UTC 21 September
RTTYOPS Week Sprint, 17:00 - 19:00 UTC 21 September

<https://sarlnewsbulletin.wordpress.com/hfhappenings/> and www.sarl.org.za/hf_happenings.asp

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, Southgate ARC News and the Amateur Radio Newsletter